

AMENDMENTS TO THE DRAWINGS

The attached drawing sheet includes changes to Fig. 4

Attachment: Replacement Sheet

REMARKS

Claims 1-9 are pending. The applicants respectfully request reconsideration and allowance of this application in view of the above amendments and the following remarks.

The title was said to be non-descriptive. The title has been amended to be more descriptive. Withdrawal of this objection is therefore respectfully requested.

Fig. 4 of the drawings has been amended to correct an error in the reference numbers. In the originally filed application, the R/D converters were labeled with reference number 130. However, the R/D converters are referred to in the background section of this application with reference numbers 114 and 124. The drawings have been corrected accordingly, and no new matter has been added.

Claims 1, 5, 8 and 9 were rejected under 35 USC 102(b) as being anticipated by the patent to Gasperi *et al.* The applicants respectfully request that this rejection be withdrawn for the following reasons.

Although the output windings in D2 appear at first glance to be serially connected, the apparatus of D2 is significantly different from the apparatus of claim 1 and of D1. For the reasons that follow, claims 1, 5, 8, and 9 cannot be anticipated by the patent to Gasperi *et al.*

Lines 22-39 of D2 describe that the output signal of the connected resolvers 16 and 18 of D2 comes from the excitation coils, not the output windings. Note that the lines that lead to the demodulator 22, which determines the deviation angle, are not from the output windings. D2 makes this clear in col. 3, lines 28-36 as follows:

The output signal from each of the first resolver's secondary coils provides an excitation signal on each of the stator coils of the second resolver. Although in this connection scheme, the sine and cosine coils of the second resolver 18 are

technically the primary coils in that excitation signals are applied to them, since these coils are customarily referred to as the secondary coils they will be referred to herein as the secondary coils.

Thus, in the second resolver 18, the output coils act as primary windings and excite the primary coil, which acts as an output, or secondary, coil. That is, in the second resolver, the roles of the coils are reversed. The two resolvers of D2 are clearly not wired in the manner of the present invention.

Claim 1 specifically states that the "output signals are extracted from the serially connected output windings." However, in the device of D2, the output signal is not extracted from serially connected output coils. Instead, the output signal is extracted from primary coils that are not serially connected. Therefore, the terms of claim 1 are not satisfied by the Gasperi *et al.* patent.

Claims 2-4 depend on claim 1 and are therefore not anticipated for the reasons given above with respect to their base claim.

Claim 5 also recites that the first and second sine windings are serially connected and that the first and second cosine windings are serially connected. Since, as discussed above, the Gasperi *et al.* fails to disclose or suggest this feature, claim 5 cannot be anticipated by Gasperi *et al.*

Claim 9 depends on claim 5 and is therefore not anticipated for the reasons given above with respect to its base claim.

Claims 6 and 7 were rejected under 35 USC 103(a) as being unpatentable over Gasperi *et al.* in view of admitted prior art (AAPA). The applicants respectfully request that this rejection be withdrawn for the following reasons.

Claims 6 and 7 depend on claim 5 and are therefore considered to be in condition for allowance for the reasons given above with respect to their base claim.

Further, as mentioned above, Gasperi *et al.* fails to disclose or suggest serially connected output windings. This feature is not supplied by the admitted prior art. Therefore, even if Gasperi *et al.* is combined with the admitted prior art, the terms of claims 6 and 7 would not be satisfied.

In view of the foregoing, the applicants respectfully submit that this application is in condition for allowance. A timely notice to that effect is respectfully requested. If questions relating to patentability remain, the examiner is invited to contact the undersigned by telephone.

Please charge any unforeseen fees that may be due to Deposit Account No. 01-0305.

Respectfully submitted,



James E. Barlow
Reg. No. 32,377

Adduci, Mastriani & Schaumberg, L.L.P.
1200 Seventeenth St. N.W.
Washington, DC 20036